

FIG.1

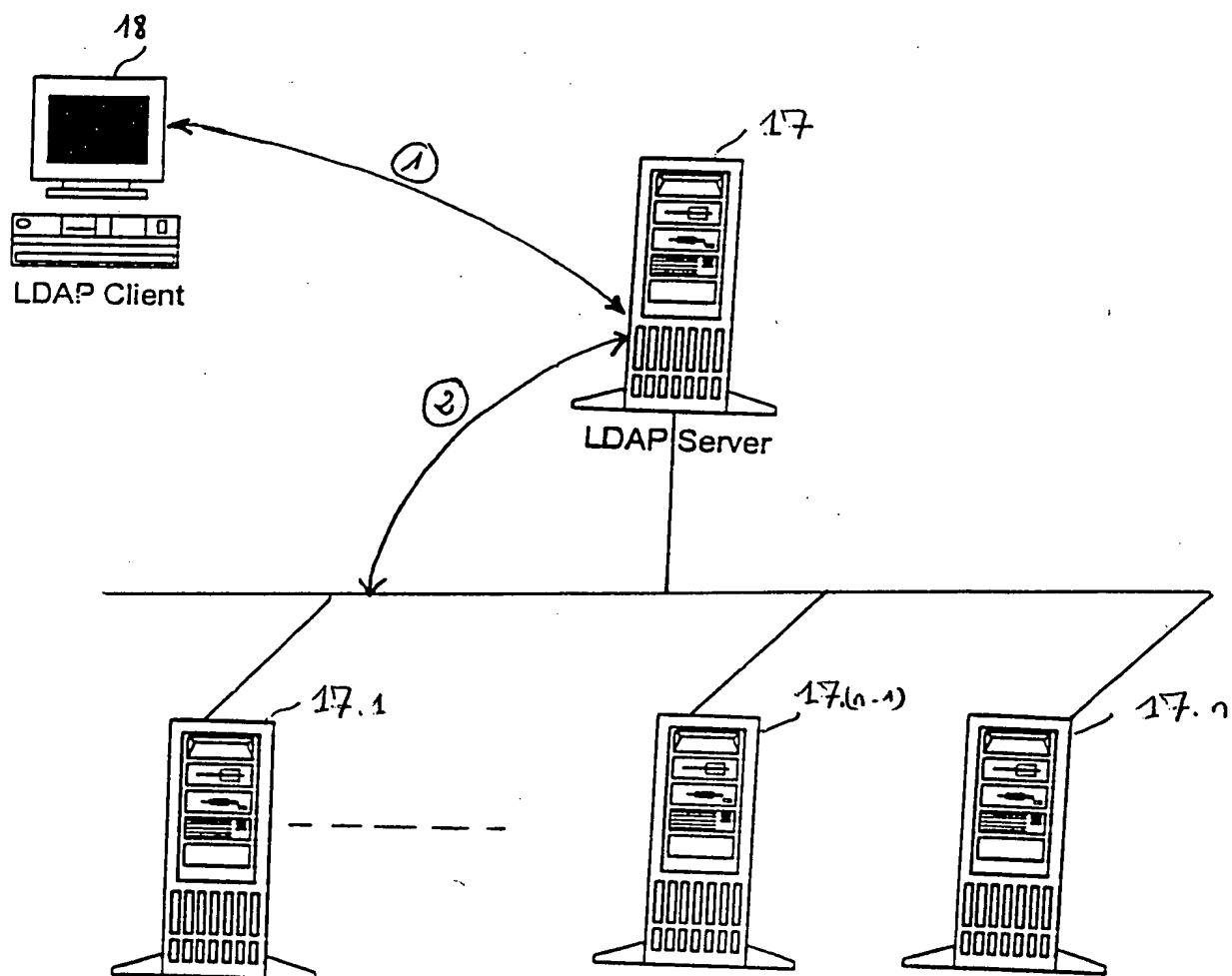


FIG. 2.

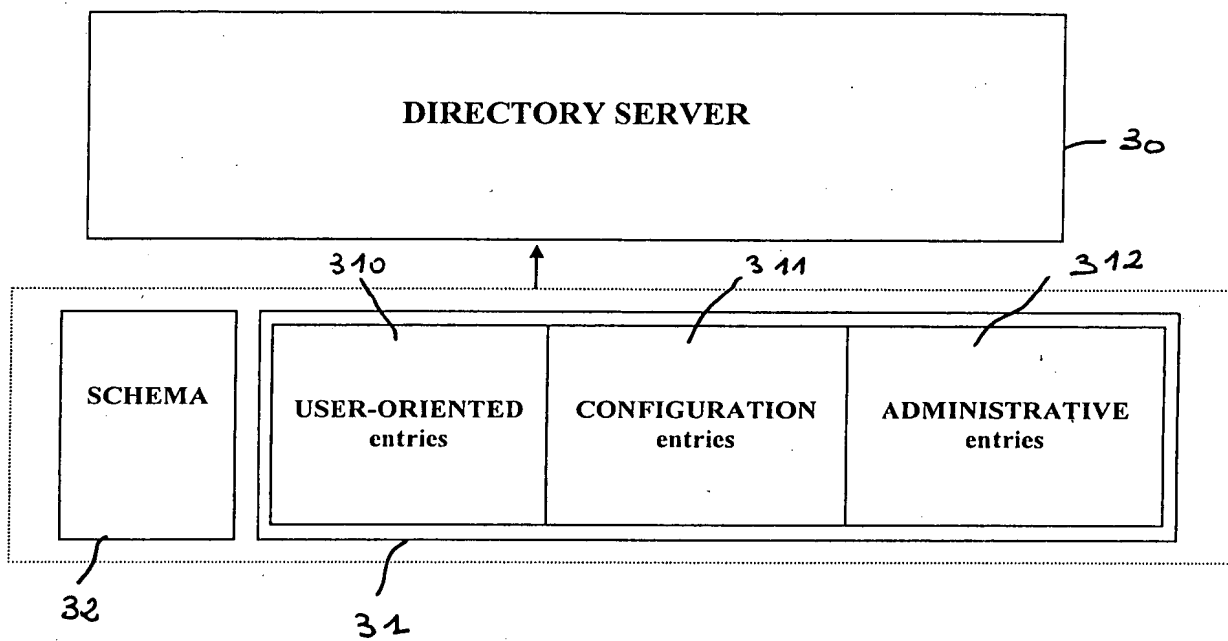


FIG 3

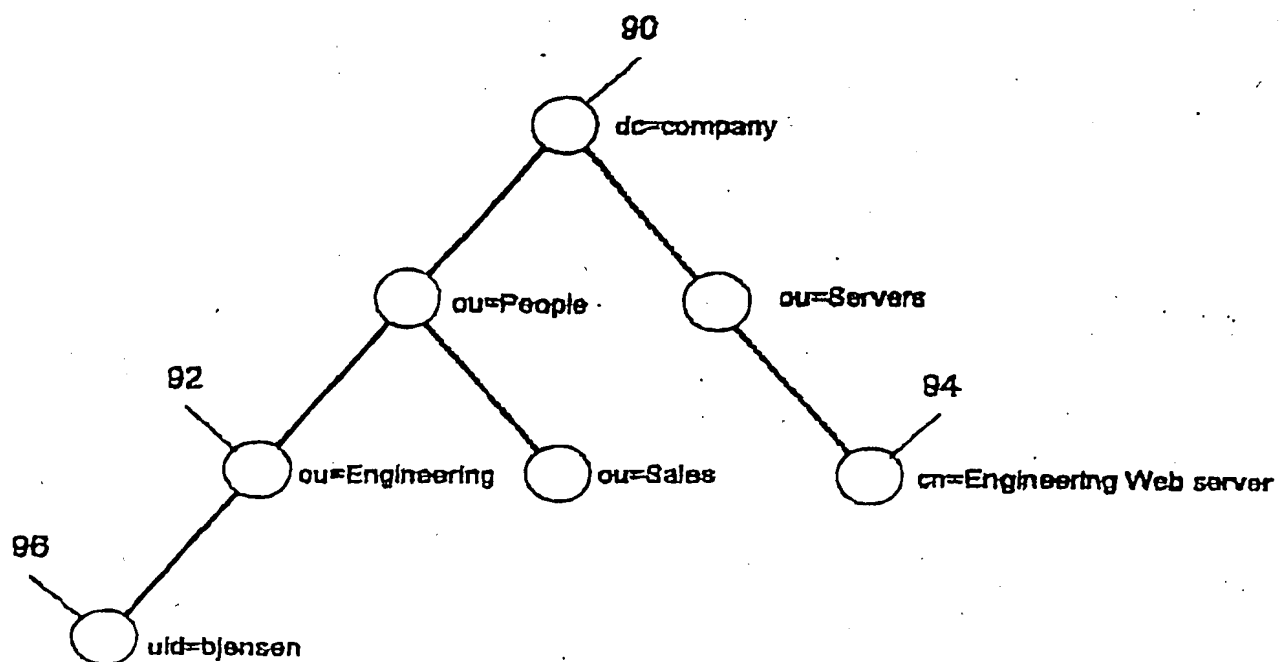


FIG 4

(PRIOR ART)

Entry 404

Attribute type 400

Attribute value 402

dn :	uid=Joe, ou=people, dc=france, dc=sun, dc=com
objectClass :	top
objectClass :	person
objectClass :	organizationalPerson
objectClass :	inetOrgPerson
cn :	Joe
sn :	Rayan
uid :	joerayan
mail :	joerayan@sun.com
phoneNumber :	778

Fig 5

(PRIOR ART)

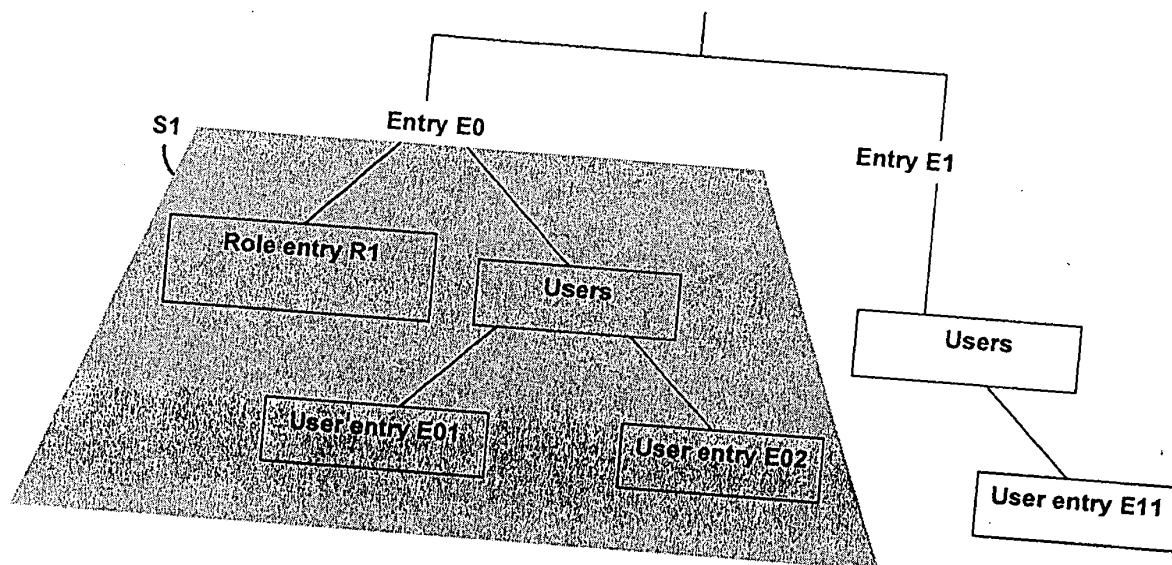


FIG 6

(PRIOR ART)

T/A

7172

	Role Type	Object Classes	Attributes
701	Managed Role	nsSimpleRoleDefinition nsManagedRoleDefinition	description (optional)
702	Filtered Role	nsComplexRoleDefinition nsFilteredRoleDefinition	NsRoleDN description (optional)
703	Nested Role	nsComplexRoleDefinition nsNestedRoleDefinition	NsRoleDN description (optional)

Figure 7
(PRIOR ART)

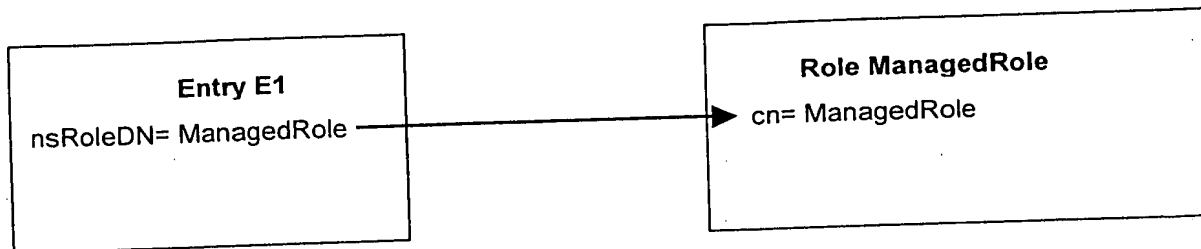


FIG 8a

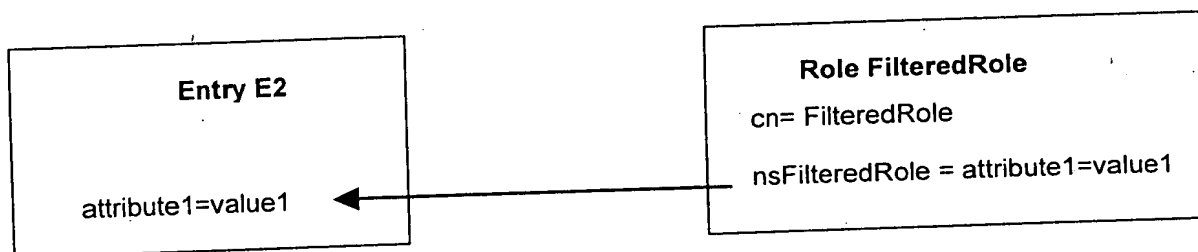


FIG 8b

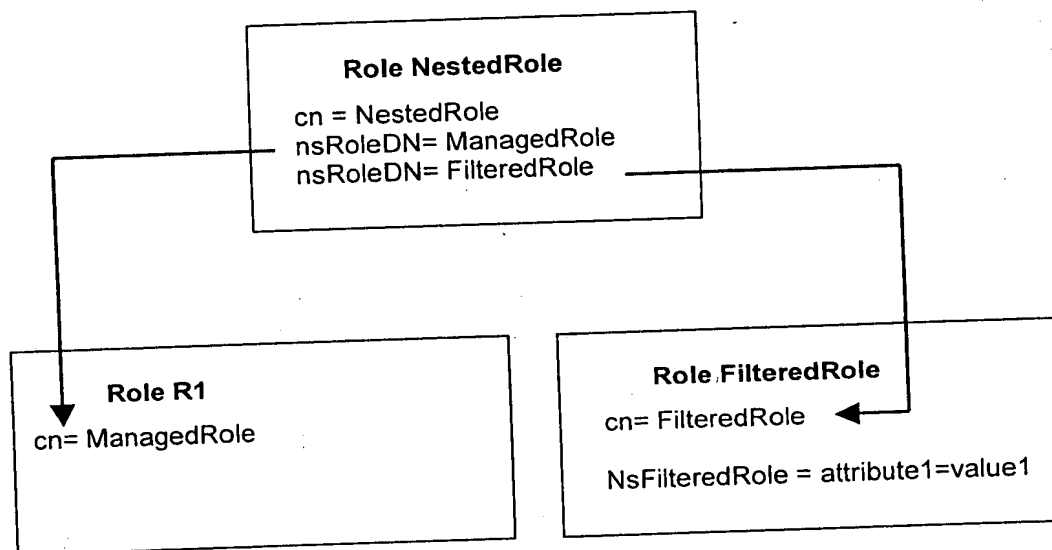


FIG 8c

(PRIOR ART)

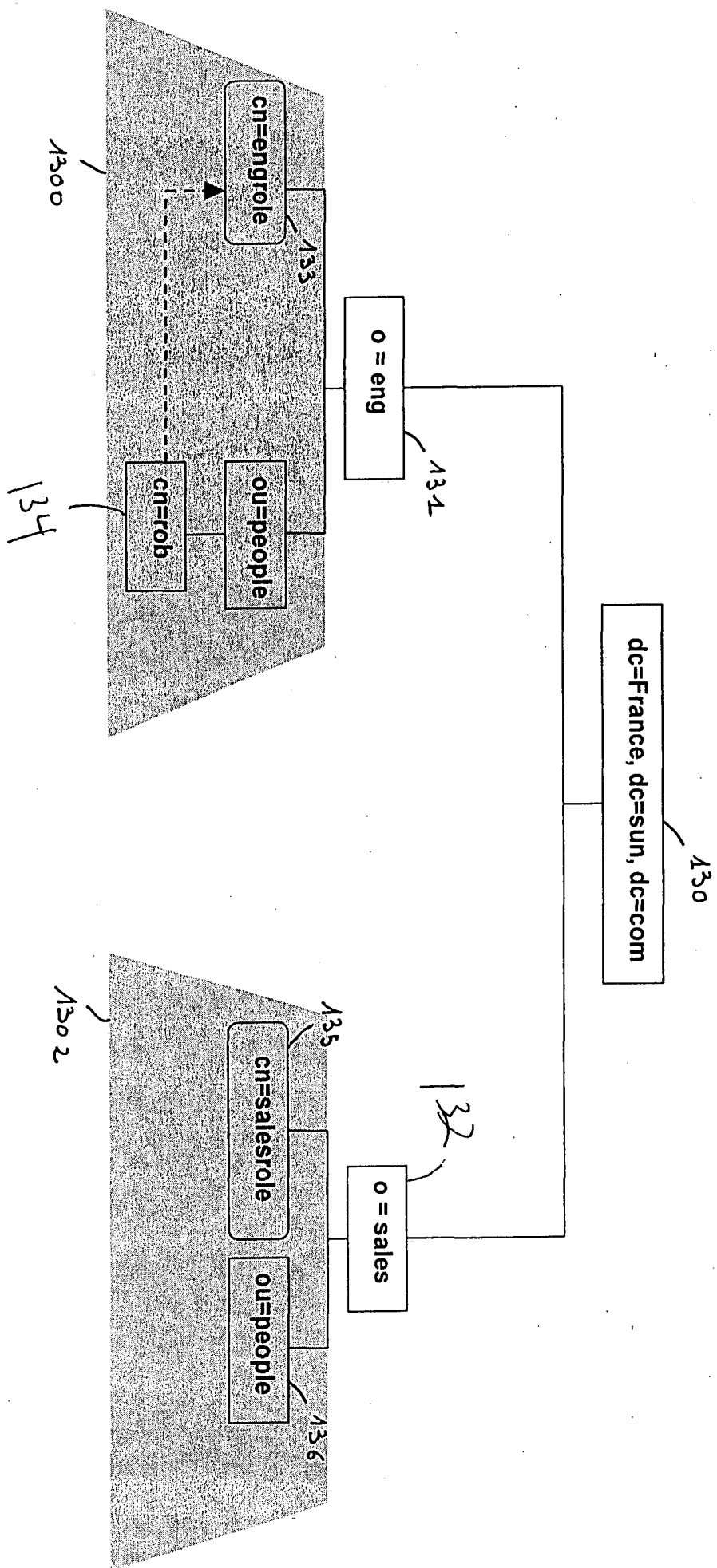


Figure 9

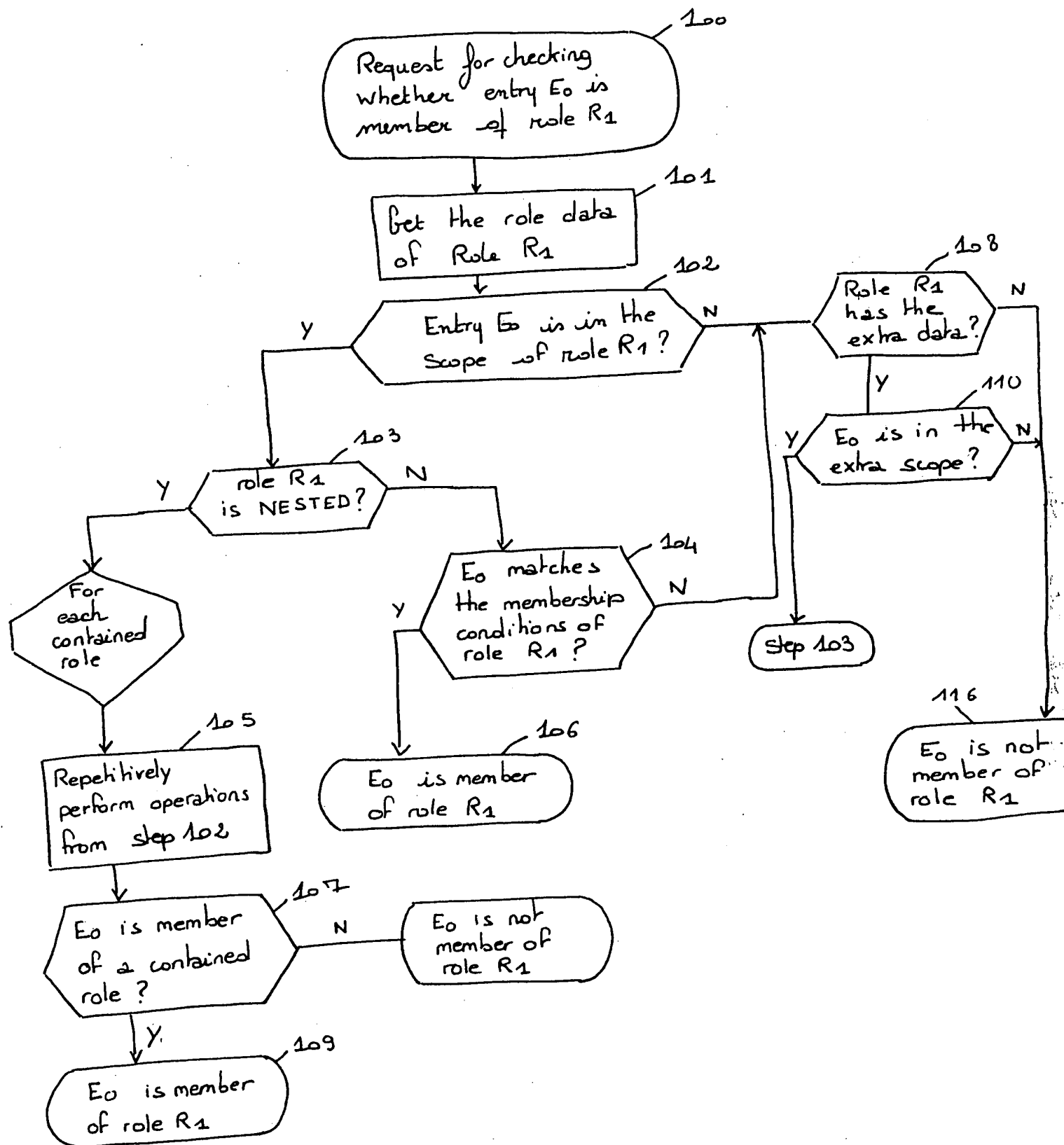


Figure 1a

ATTRIBUTES	ATTRIBUTE VALUES
<i>dn</i>	distinguished name of the nested role
<i>objectclass</i>	object classes of the nested role
<i>nsRoleScopeDn</i>	distinguished name of the extended scope
<i>nsRoleDn</i>	distinguished names of the roles contained by the nested role

Figure 11

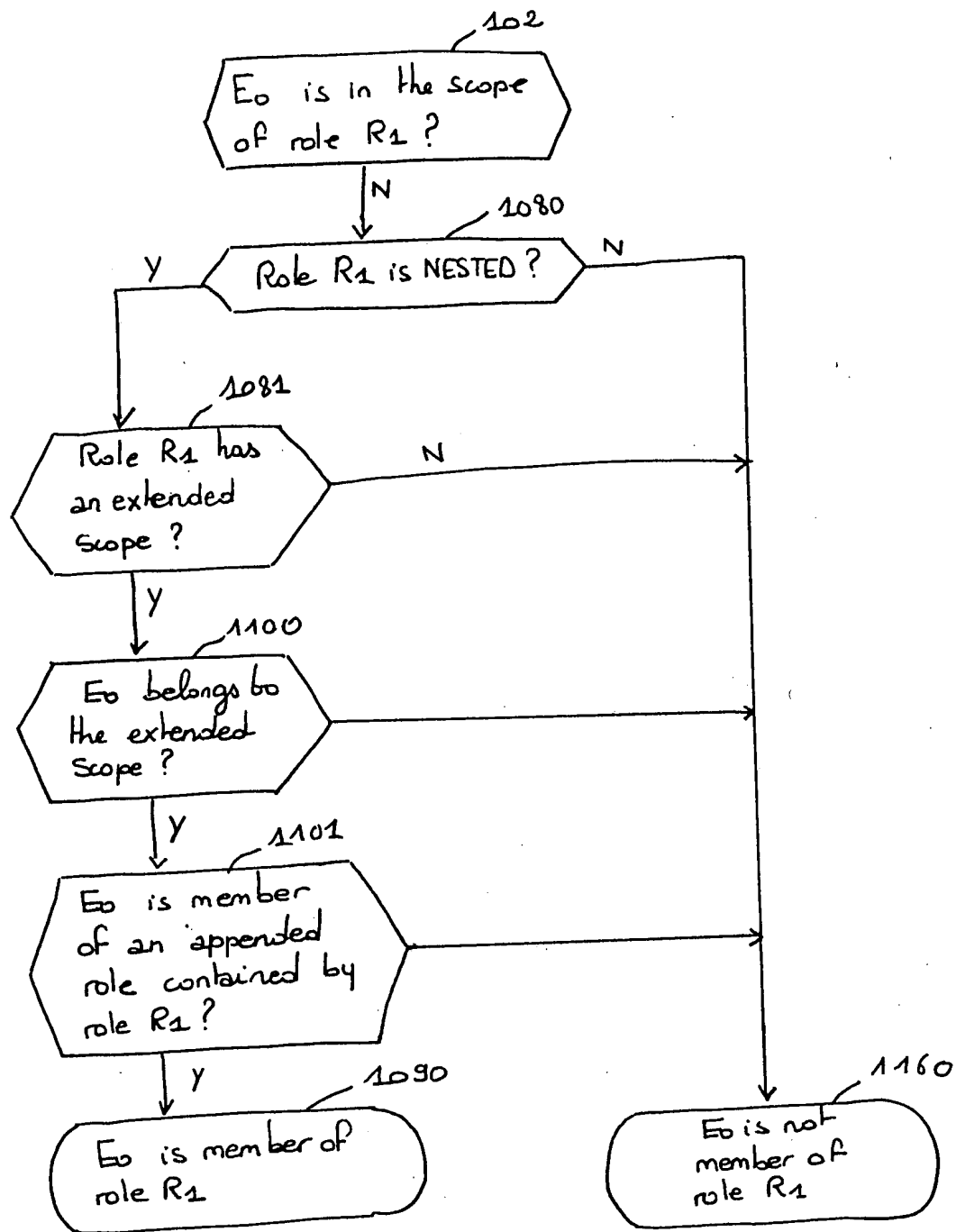
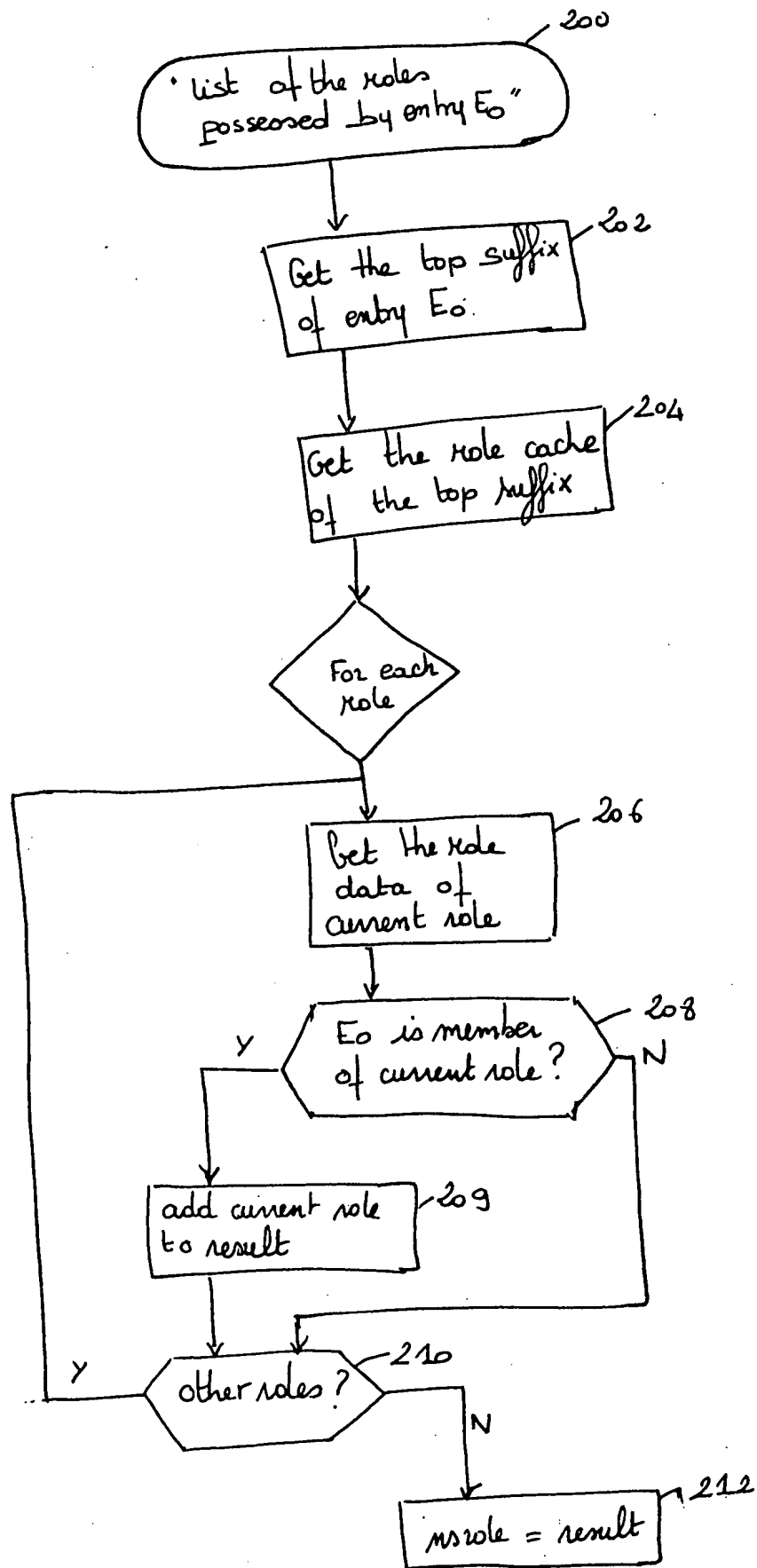


Figure 12



(prior art)

FIG 13a

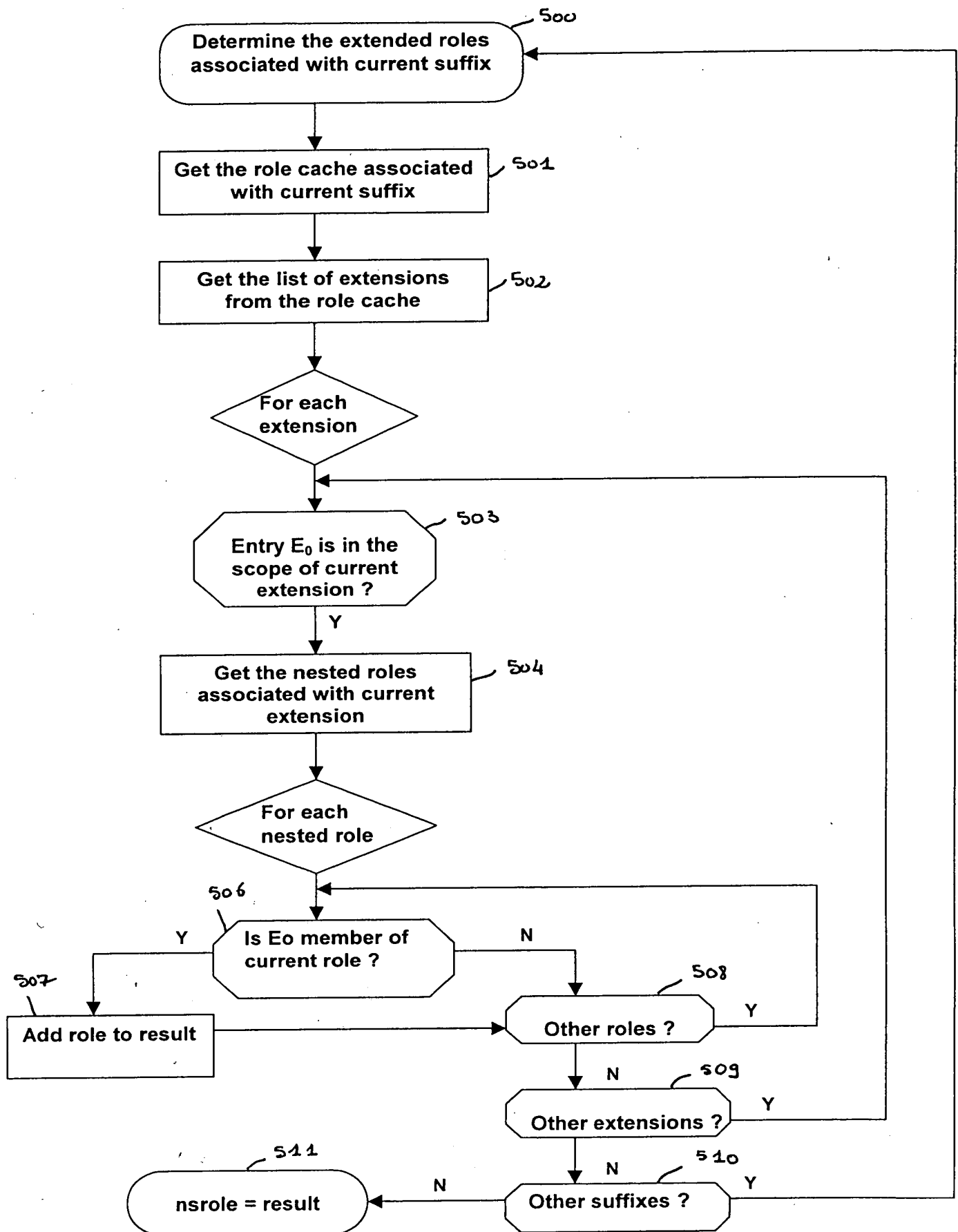


Fig. 13b

Figure 13b

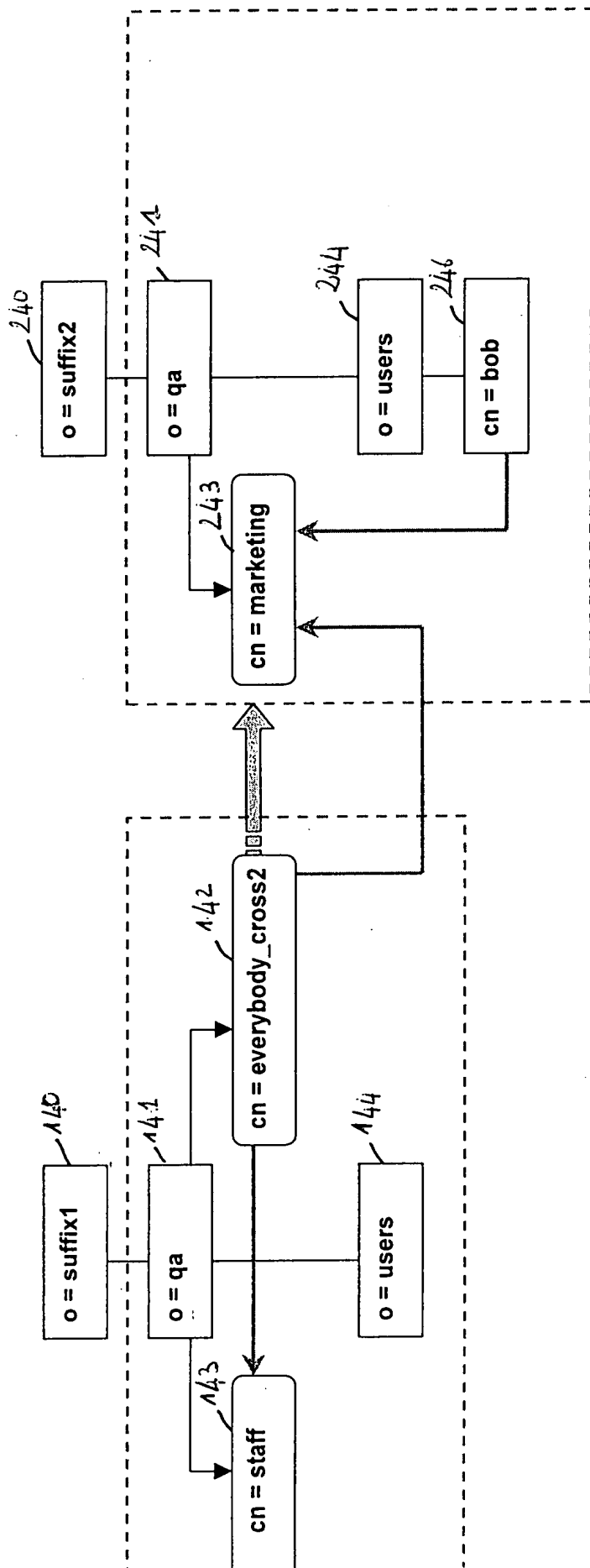


FIG. 14

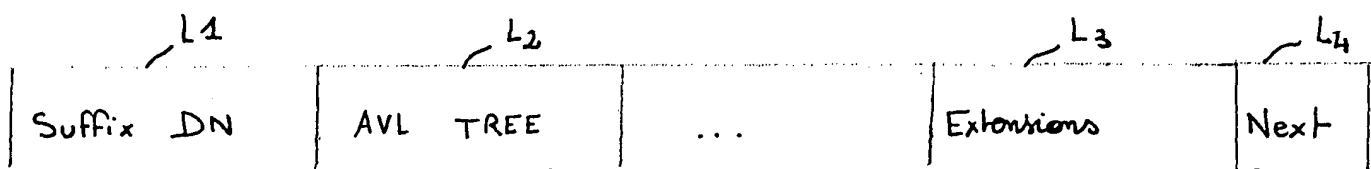


FIG. 15 a

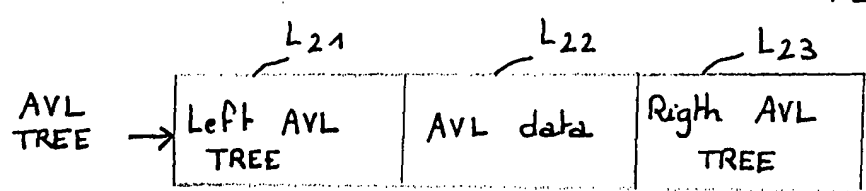


FIG. 15 b

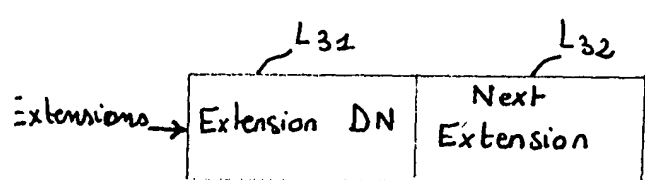


FIG. 15 c

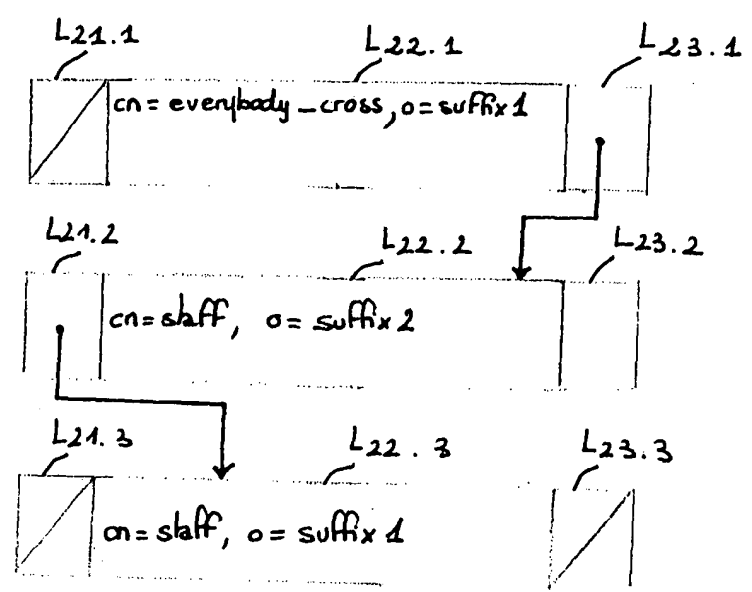


FIG. 16

L221 Role DN	L222 Role Type	L223 Scope extension DN	L224 AVL TREE
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FIG. 17

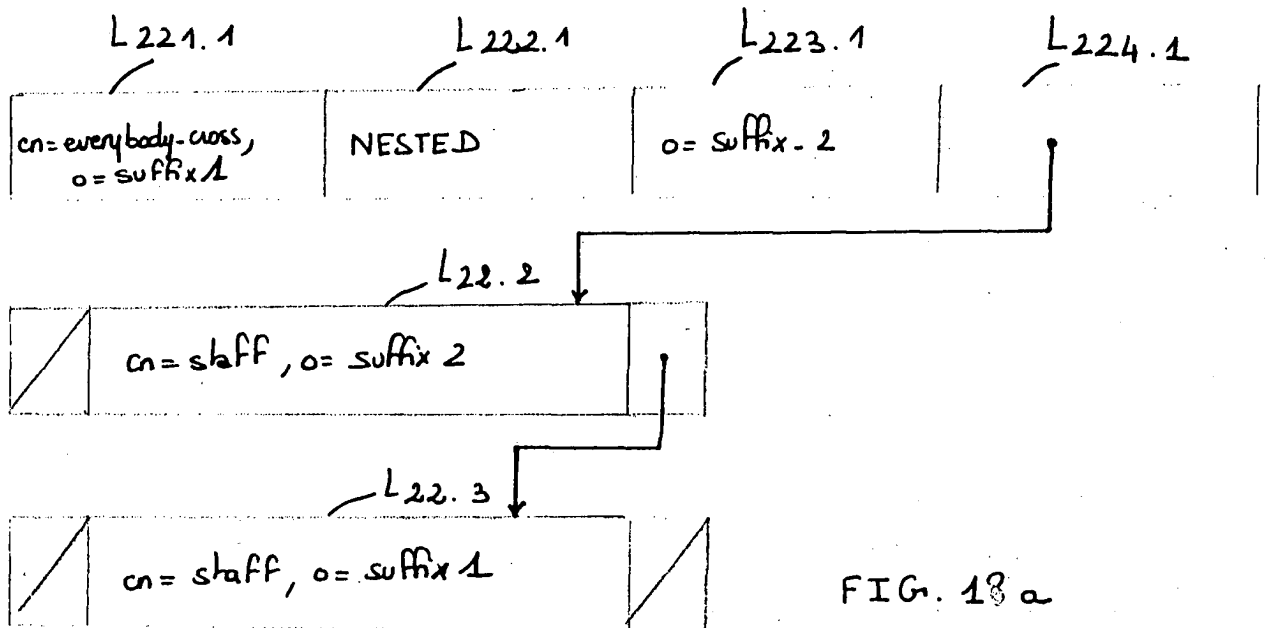


FIG. 18a

L221.2 cn=staff, o=suffix 2	L222.2 MANAGED
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FIG. 18b

L221.3 cn=staff, o=suffix 1	L222.3 MANAGED
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FIG. 18c

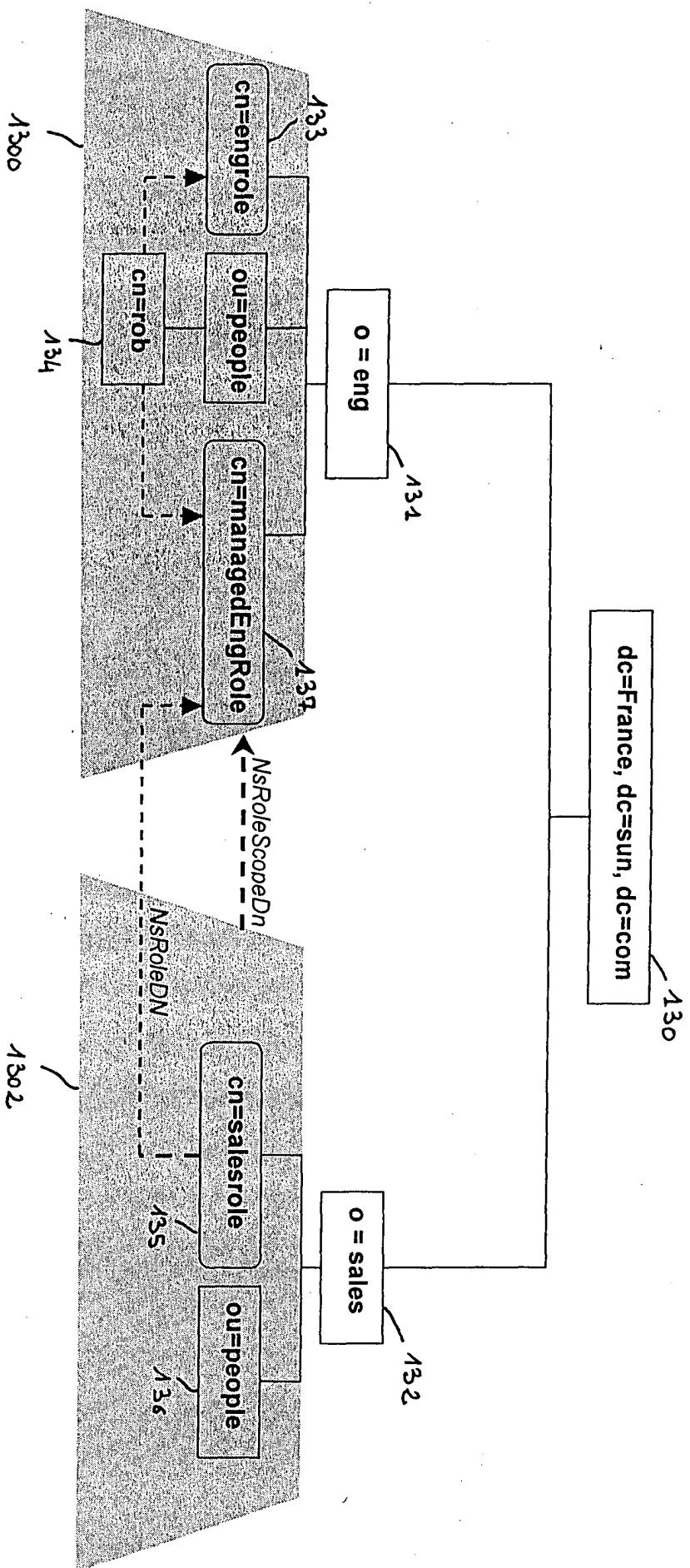


Figure 19